

CLAIMS

I claim:

1. A universal mounting bracket for adjustably mounting a stub idler assembly to a support structure on a conveyor, said mounting bracket comprising:

5 a bearing mounting face having a pair of elongated slots formed therein, said slots sized and positioned to receive connectors for mounting the bracket to the idler assembly in a manner providing linear and angular adjustment of the bracket with respect to the idler assembly; and

10 a conveyor mounting face for mounting the bracket to the support structure of the conveyor.

2. The mounting bracket as set forth in claim 1 wherein the bracket is formed from an L-shaped angle member with the bearing mounting face on one leg of the L-shaped member and the conveyor mounting face on the other leg of said member.

3. The mounting bracket as set forth in claim 1 wherein said slots are parallel and oriented for linear adjustment on a line generally perpendicular to the conveyor mounting face.

4. The mounting bracket as set forth in claim 3 wherein the connectors comprise a pair of bolts; and

one of said slots is dimensioned to receive one of the bolts with a slip fit and the other slot is dimensioned to receive the other bolt with lateral clearance.

5. The mounting bracket as set forth in claim 4 wherein said slots are offset linearly from one another.

6. The mounting bracket as set forth in claim 5 including a second pair of elongated slots formed in the bearing mounting face, the second pair of slots sized and dimensioned the same as said first named elongated slots and aligned therewith to form a generally rectangular slot pattern, said slot pattern comprising a pair of laterally
5 aligned slots dimensioned to alternately receive one of the bolts with a slip fit and, linearly offset therefrom, a pair of laterally aligned slots dimensioned to alternately receive one of the bolts with a clearance.

7. The mounting bracket as set forth in claim 2 including a mounting slot in the leg of the angle member with the bearing mounting face for receipt of a mounting connector.

8. The mounting bracket as set forth in claim 7 wherein the mounting slot extends from an open end in one edge of said one leg and generally perpendicular to said elongated slots in said other leg.

9. A stub idler and adjustable mounting assembly for mounting the stub idler to a support structure on a conveyor, said assembly comprising:

a bearing block rotatably supporting the stub idler, said bearing block including a flat attachment face having a pair of first connector halves;

5 a mounting bracket having a bearing mounting face with a pair of elongated slots formed therein, said slots sized and positioned to align with said first connector halves and to accommodate a pair of second connector halves for mounting the bracket to the bearing block attachment face in a manner providing linear and angular adjustment of the mounting bracket with respect to the bearing block and stub
10 idler.

10. The assembly as set forth in claim 9 wherein said bearing block includes a pair of parallel attachment faces on opposite sides of said block, and a mounting bracket for each attachment face.

11. The assembly set forth in claim 9 wherein the connectors comprise threaded fasteners.

12. The assembly as set forth in claim 11 wherein each fastener comprises a threaded recess in the attachment face of the bearing block and a bolt.